



Agenda Item #5

Area Processing Centers and Their Impact On Future Construction

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Information Infrastructure Integration Division (I3D)

Problem Statement (U)



- **(U) Problem Statement:**

- Area Processing Centers (APCs) and Single DOIM will significantly reduce the IT footprint on Army installations.
- New facilities are being sized without regard to APCs and Single DOIM
 - ISEC only reviews and certifies the IT equipment needed to support what will be placed in the facility by the customer.
 - However, there is little scrutiny of the amount of floor space requested.
- Building floor space for IT assets that are not in compliance with Single DOIM or that can be operated out of the APC is wasting tax payer dollars

- **(U) To resolve this issue, there must be a process in place to review and validate all requested floor space intended for IT systems in proposed facilities.**



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Chief, Chief Information Officer / G-6

DEPARTMENT OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY
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WASHINGTON DC 20310-0107

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MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Policy for Validation of Floor Space Requirements Intended for IT Systems Identified in Military Construction (MILCON) and Renovation Projects

1. References:

- a. AR 25-1, Army Knowledge Management and Information Technology, dated 15 July 2005 (http://www.army.mil/usapa/epubs/pdf/r25_1.pdf).
- b. Concept of Operations (CONOPS) for the CONUS APCs, Version 1.0, dated 28 November 2006 (<https://www.us.army.mil/suite/doc/7214187>).
- c. Memorandum, Guidance for the Single Directorate of Information Management (DOIM) Implementation, dated 7 Jun 06 (<https://www.us.army.mil/suite/doc/7214178>).
- d. Memorandum of Agreement, Incorporation of Information Systems into Active Component Military Construction Projects, dated 8 May 2007 (<https://www.us.army.mil/suite/doc/7496763>).

2. Purpose. To provide policy for the validation of floor space requirements intended for IT systems that are identified in all Army Military Construction (MILCON) and Renovation projects.

3. Background.

- a. Over the past several years, the Army has invested significant resources to establish Enterprise IT initiatives aimed at increasing operational efficiencies, improving security, and reducing the total cost of ownership of IT.
- b. Specifically, the implementation of Single DOIM and Area Processing Centers (APCs) will consolidate IT services on Army installations and transfer many of the assets and resources needed to provide those services from Army installations to consolidated enterprise computing centers.

New Policy (U)

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SUBJECT: Policy for Validation of Floor Space Requirements Intended for IT Systems Identified in Military Construction (MILCON) and Renovation Projects

c. This consolidation will reduce long-term IT operations and maintenance costs and requirements for future construction and renovation projects on Army Installations. As the Army prepares to make significant investments in the construction and renovation of facilities over the next several years to support Base Realignment and Closure (BRAC), Global Defense Posture Realignment (GDPR), and other major initiatives, all requirements for floor space intended for IT systems must be carefully reviewed for consistency with Enterprise initiatives.

4. Policy.

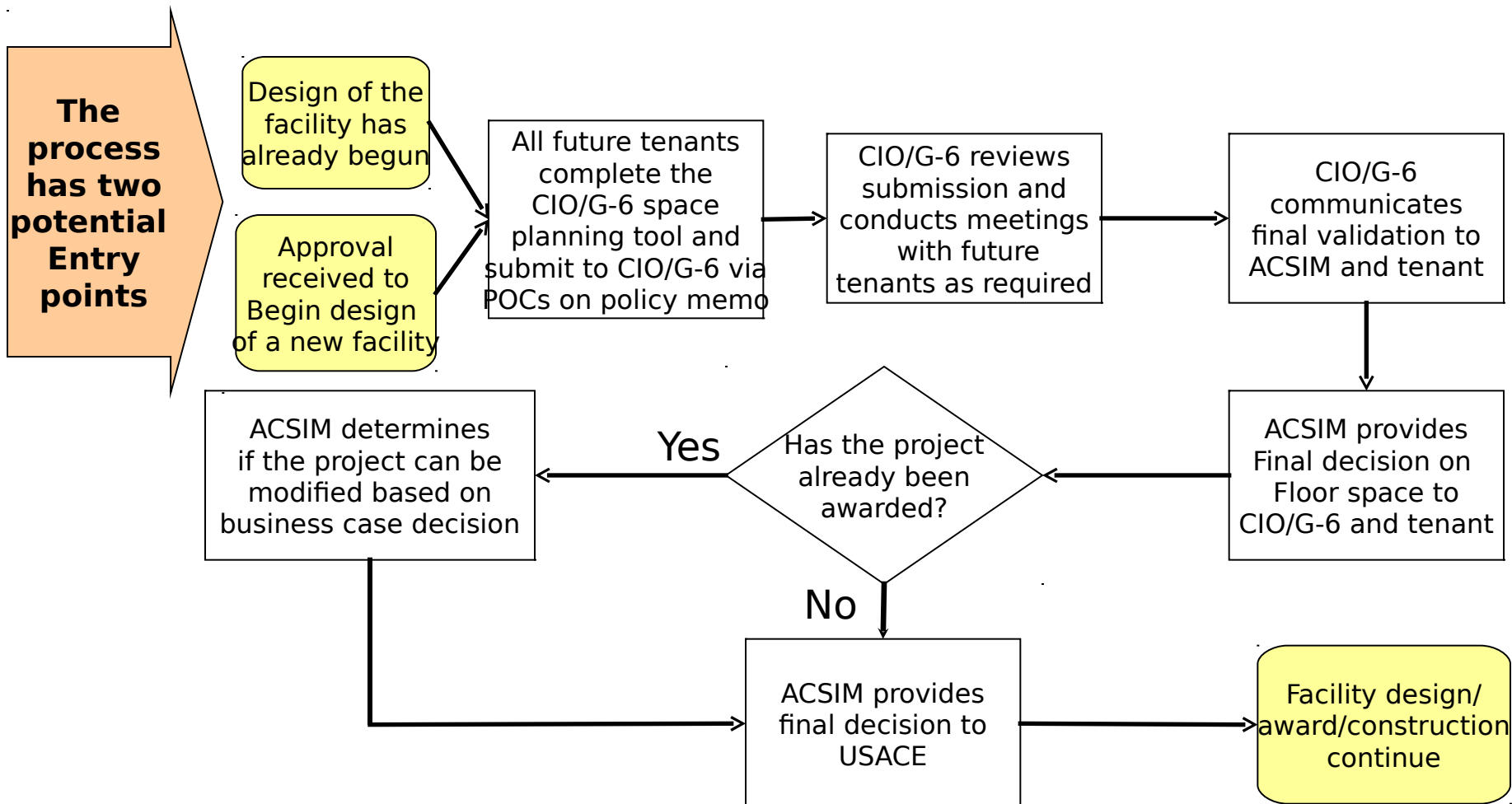
- a. This policy applies to all MILCON, Army (MCA), Unspecified Minor MILCON, Army (UMMCA), OMA-funded construction, renovation, and BRAC-funded projects.
 - b. The U.S. Army Information Systems Engineering Command (USAISEC), in coordination with the CIO/G-6, Assistant Chief of Staff for Installation Management (ACSIM), and application owners will review all floor space requirements intended for IT systems for consistency with APCs and Single DOIM. This review should start at the earliest planning and programming stages (preferably no later than the Planning Charrette for MILCON projects) and continue through execution phases of the project.
 - c. The CIO/G-6 will provide the ACSIM with recommendations for any changes to these projects.
5. The ACSIM points-of-contact for this action are Mr. Jack Schupp, (703) 604-2411 for all BRAC Construction, Army (BCA) projects and Ms. Wendy Schmidt, (703) 604-1449, wendy.schmidt@hqda.army.mil for MILCON, Army (MCA) projects.
6. The CIO/G-6 points-of-contact for this action are Mr. Michael Murphy, (703) 602-9154, michael.j.murphy@us.army.mil and Mr. George Akins, (703) 602-6492, george.akers@us.army.mil.


JEFFREY A. SORENSON
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Proposed Process (U)



CIO/G-6 Space Planning Process

(U)



Future tenant identifies all planned IT assets

- Future tenant completes questionnaire on all servers planned to be located in the facility.

Ensure rack and aisle space do not exceed industry standards

- The CIO/G-6 runs a tool to identify the amount of rack and aisle space needed (IAW industry standards).
- Space that exceeds the tool's validated amount is eliminated.

Ensure consistency with Single DOIM

- Space for common-user services is eliminated unless this space is to augment the DOIM's space.

Ensure consistency with APCs

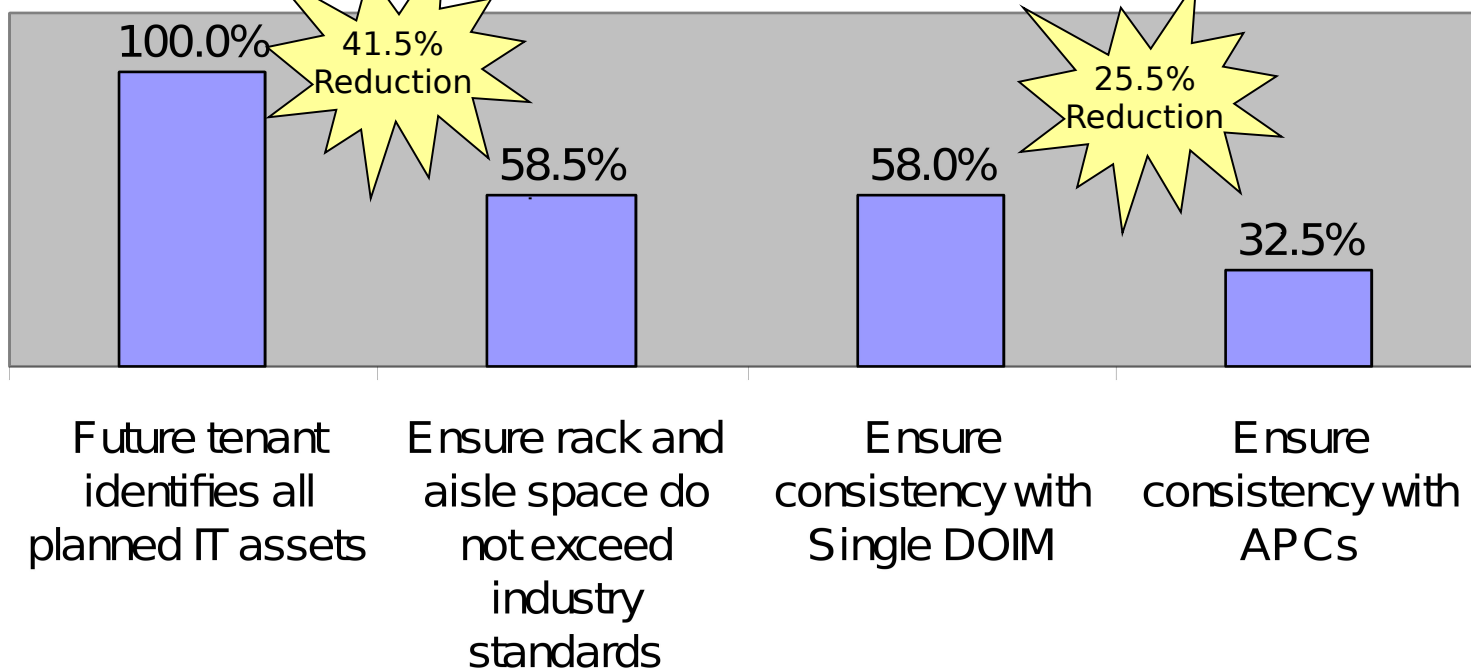
- Mission servers are examined for potential migration to the APC environment.
- CIO/G-6 works with the future tenant to identify potential COAs for migration to the APCs.
- Space for servers that can migrate is eliminated.



Results of the CIO/G-6 Space Planning Process So Far (U)

Results of the CIO/G-6 Space Planning Process

Percentage of Original
Submission



The CIO/G-6 space planning process has demonstrated the potential to reduce floor space intended for IT systems by 67%



Conclusions (U)

- **(U) The paradigm for how IT will be designed and managed in the Army is changing.**
- **(U) Requirements for floor space intended for IT systems will no longer be accepted without scrutiny.**
- **(U) By incorporating Single DOIM and APCs into IT strategic planning from the beginning, organizations can reduce the headaches this validation process may cause.**
- **(U) Due to significant BCA and MCA shortfalls across the FYDP, this process will more likely result in repurposing space to non-IT uses than saving on actual construction.**
- **(U) ACSIM makes the final decision on whether to cut space. ACSIM is therefore also responsible for ensuring DPWs consider APCs and Single DOIM in their Master Plan.**



Questions?

CIO/G-6 Points of Contact

Mr. George Akins (APC)

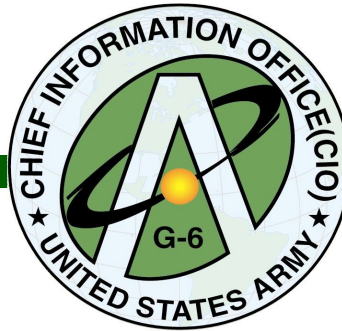
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Agenda Item #19

IT Aspects of Operations & Maintenance (O&M) Projects

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The Problem Statement (U)

- **(U) The MILCON MOA solidifies roles and responsibilities to ensure IT is adequately incorporated into Active Army MILCON projects.**
- **(U) Minor construction requires a completely different set of processes and roles and responsibilities.**
- **(U) IT is often not adequately funded in O&M funded construction.**
 - Limited visibility from CIO/G-6, ACSIM, and ISEC
 - IT is not viewed as essential to make the facility complete and usable as it is with MILCON
 - Interestingly electrical and plumbing are considered essential
 - The cost of IT in many cases would cause the project to exceed OMA thresholds
 - The relationship between the DOIM and DPW on installations varies
- **(U) This situation is unacceptable and puts the warfighter mission at risk. The paradigm must change.**





CIO/G-6 Proposed Strategy (U)

Ensure IT stakeholders are aware of O&M funded construction projects on their Installations and have the opportunity to identify IT requirements.

- Implement a Tab F document for all O&M funded construction projects similar to what is currently used for MCA projects.
- Require ISEC certification of the IT requirements before approval of the project.

Ensure IT requirements are funded in time to ensure implementation of all IT requirements before the anticipated occupancy date.

- Require identification of a funding source prior to project approval.

Establish Policy for O&M Funded Construction IT Requirements

- O&M Funded Construction projects will not be approved until the following have been completed:
 - ISEC in coordination with the Installation DOIM have reviewed the project and certified that all necessary IT requirements needed to make the facility “complete and usable” have been identified.
 - A funding source has been identified.

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Questions?

Point of Contact

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Agenda Item #17

The Single DOIM Concept as Related to Non-Army Tenants on Army Installations - Update

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Single DOIM (U)

- **(U) Single DOIM Guidance: Each Army Installation will have only one provider of Army C4IM Services.**
 - Army Tenants: does NOT apply to mission specific applications/tools that exceed the C4IM Services List. Tenants are encouraged to reimburse the DOIM to provide mission specific IT services.
 - Non-Army Tenants: the same mandate does NOT apply.
 - Ideally, the Single DOIM should service the Outside Cable Plant (OSP) connectivity between the building demarcation point and the Installation Point of Presence (PoP) for ALL tenants (Army and non-Army).
 - Non-Army tenants could reimburse DOIM to provide services where operationally and technically feasible in accordance with policies.



Questions?

Point of Contact

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